Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/22/2018 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124122	-1	1.47	124151	1.43
Blue	F	SSC	125000	124583	-1	3.00	125170	3.01
Blue	E	FITC	16596	16096	-4	3.32	347	21.82
Blue	D	PE	29392	28461	-4	2.56	616	16.67
Blue	B	PerCP-Cy5-5	38531	38310	-1	4.58	1177	22.75
Blue	A	PE-Cy7	26351	26535	0	8.15	664	44.38
Red	C	APC	43035	41972	-3	3.12	1584	13.29
Red	A	APC-Cy7	25611	25346	-2	3.09	883	13.13
Violet	B	V450	8803	8534	-4	4.36	491	15.40
Violet	A	V500	32560	31375	-4	4.00	733	10.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20175	3.74	606	9	N/A	N/A	Pass
Blue	F	SSC	56424	2.37	571	16	N/A	N/A	Pass
Blue	E	FITC	60	70.42	557	7	0.0162	131	Pass
Blue	D	PE	128	55.82	557	8	0.1237	251	Pass
Blue	B	PerCP-Cy5-5	225	53.37	661	10	0.0072	30	Pass
Blue	A	PE-Cy7	132	106.14	718	13	0.0091	20	Pass
Red	C	APC	370	28.40	602	5	0.0206	174	Pass
Red	A	APC-Cy7	217	28.67	575	4	0.0045	980	Pass
Violet	B	V450	78	62.11	482	7	0.0282	1224	Pass
Violet	A	V500	109	33.11	491	7	0.0195	413	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.21	-32.56	1.06
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.35	13.60 - 20.40	N/A	N/A	29.53	30.17	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 13127

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments